

STN Columbus

L2 ANSWER 1 OF 1 .CAPLUS COPYRIGHT 2004 ACS on STN
AN 2002:725772 CAPLUS
DN 137:220002
TI Wear resistant cast iron alloy with high sulfur content and multiple
composite self-lubricating phases
IN Li, Xilin; Yang, Tao
PA Peop. Rep. China
SO Faming Zhuanli Shenqing Gongkai Shuomingshu, 9 pp.
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DT Patent
LA Chinese

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	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	CN 1332264	A	20020123	CN 2001-120590	20010725
PRAI	CN 2001-120590		20010725		
AB	The alloy comprises C 0.3-3.5, Si 0.5-1.2, Mn 0.5-1.2, S 1.2-3.5, Cr 0.5-3, Mo 0.2-0.8, W 0.2-0.8, Ni ≤ 0.2 , Cu ≤ 0.6 , Ti ≤ 0.2 , P ≤ 0.04 , rare earth (as added) 0.1-0.2%, and Fe bal. Preferably, during the early stage of melting sufficient amt. of a S-contg. alloy is added to form large amt. of stable high m.p. sulfide phases and to intensify deoxidizing during smelting.				